

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-9 (canceled).

Claim 10 (currently amended) A synchronous induction motor comprising:

- a stator equipped with a stator winding;
- a rotor which is secured to a rotating shaft and which rotates in the stator;
- a secondary conductor provided around the rotor yoke constituting the rotor; and
- permanent magnets embedded in the rotor yoke, each said permanent magnet having a linear shape and provided symmetrically about a line that connects two magnetic poles, wherein at least some of the permanent magnets have lengths which are radially disposed, and wherein the such that one end of each of said at least some of the permanent magnets are substantially is adjacent to the rotating shaft,

wherein a magnetic field produced by the permanent magnets does not pass through the rotating shaft.

Claim 11 (currently amended) A synchronous induction motor comprising:

- a stator equipped with a stator winding;
- a rotor which is secured to a rotating shaft and which rotates in the stator;
- a secondary conductor provided around the rotor yoke constituting the rotor; and
- permanent magnets embedded in the rotor yoke, each said magnet having a linear shape and provided symmetrically about a line that connects two magnetic poles, wherein at least some of the permanent magnets have lengths which are radially disposed, and wherein the such that one end of each of said at least some of the permanent magnets are substantially is adjacent to the rotating shaft,

wherein a magnetic field produced by the permanent magnets bypasses the rotating shaft.

Claim 12 (currently amended) A synchronous induction motor comprising:

- a stator equipped with a stator winding;
- a rotor which is secured to a rotating shaft and which rotates in the stator;
- a secondary conductor provided around the rotor yoke constituting the rotor; and
- permanent magnets embedded in the rotor yoke, each said magnet having a linear shape provided symmetrically about a line that connects two magnetic poles, wherein at least some of the permanent magnets have lengths which are radially disposed, and wherein the such that one end of each of said at least some of the permanent magnets are substantially is adjacent to the rotating shaft,

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wherein a magnetic field produced by the permanent magnets passes through only the rotor yoke, excluding the rotating shaft.

Claims 13-18 (canceled).